BRIDGES HETEROGENOUS CHAT SYSTEMS

- A secure bridge that allows communication between current and legacy chat protocols
- Connect two or more servers running IRC (Internet Relay Chat), XMPP (eXtensible Messaging and Presence Protocol) and Sametime
- Additonal chat protocols coming soon
- Can be Cross Domain enabled using Trident’s Collaboration Gateway solution
- Integrates seamlessly with existing chat systems, end users do not need to learn a new system
- No changes to the existing infrastructure required
- Sends messages posted in a room to all users on all chat systems

REAL-TIME • STANDARDS-BASED • EXTENSIBLE
Trident's eXtensible Collaboration Bridge (XCB) connects heterogeneous chat communities isolated by different messaging protocols. With the XCB, organizations can integrate legacy chat protocols like IRC and HCL Sametime with, standards based Extensible Messaging and Presence Protocol (XMPP) chat protocol. XMPP has been selected as the chat protocol for DISA, because it enables multi-vendor interoperability. This figure shows XCB systems operating on separate networks, operating at different security levels, connected via Collaboration Gateway (CG), Trident’s cross domain chat system.

Need and Value:

As US defense and intelligence communities move to industry standard XMPP chat systems, existing legacy and coalition systems must be supported. Trident Systems has developed XCB, a secure chat bridge that supports multiple legacy chat protocols and architectures.

Specifications:

- **LDAP Support:**
  - Maintains an internal Lightweight Directory Access Protocol (LDAP)
  - Easily import LDAP information from external LDAP servers, including the GAL
  - LDAP is used to map attributes, typically email addresses, to a user’s chat ID’s on the network
  - Integrate with existing chat clients through the included web services API
- **GAL Support:**
  - Users enroll with GAL ID and two-factor authentication to the chat bot
  - GAL account can have multiple XMPP and IRC accounts associated
- **Currently supported chat systems:**
  - HCL Sametime client (v9.0.0) / HCL Sametime 9 Community Server (v9.0.0)
  - Trident TransVerse XMPP client (v1.9) / Trident TacChat XMPP server (v1.2.2)
  - mIRC IRC client (v7.49) / Bahamut IRC server (v2.0.7)
  - Trident TransVerse XMPP client (v1.9) / OpenFire XMPP server (v4.1.5)

Features:

- Maps disjointed rooms from multiple heterogenous chat servers from an intuitive web based administrator console
- Can be installed on a Red Hat Enterprise Linux system or virtual machine
- Operate across secure, autonomous networks and domains (Cross Domain) by connecting with Trident’s Collaboration Gateway cross domain chat system
- Logs administrative actions and error conditions
- Administrator can configure rooms, servers, bridges, and security credentials, and view status of active bridged rooms

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